

compound and the water insoluble thermoplastic resin are dispersed in a hydrophobic thermoplastic resin wherein the resin composition is prepared by:

CI  
FZ  
Coul  
kneading the hydrophilic reducing organic compound and the hydrophilic and water insoluble thermoplastic resin compound at a temperature not higher than the melting temperature or decomposition point of the hydrophilic reducing organic compound and equal to or higher than the melting temperature of the hydrophilic and water insoluble thermoplastic resin to form a kneaded compound; and

kneading the kneaded compound comprised of the hydrophilic reducing organic compound and the hydrophilic and water insoluble thermoplastic resin compound with the hydrophobic thermoplastic resin at a temperature lower than the melting temperature of the water insoluble thermoplastic resin compound and equal to or higher than the melting temperature of the hydrophobic thermoplastic resin, so that the kneaded compound is dispersed in the hydrophobic thermoplastic resin.

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FZ  
3. (Four Times Amended) A resin composition to be used in a multi-layer laminate for storing liquid foods, comprising a hydrophilic reducing organic compound, a porous inorganic compound, and a hydrophilic and water insoluble thermoplastic resin, wherein the hydrophilic reducing organic compound is included in the hydrophilic and water insoluble thermoplastic resin and the hydrophilic and water insoluble thermoplastic resin provides an oxygen gas barrier for the hydrophilic reducing organic compound and wherein the hydrophilic reducing organic compound, the porous inorganic compound and

the water insoluble thermoplastic resin are dispersed in a hydrophobic thermoplastic resin wherein the resin composition is prepared by:

GI  
F2  
Coul  
kneading the hydrophilic reducing organic compound, the porous inorganic compound and the hydrophilic and water insoluble thermoplastic resin compound at a temperature not higher than the melting temperature or decomposition point of the hydrophilic reducing organic compound and equal to or higher than the melting temperature of the hydrophilic and water insoluble thermoplastic resin to form a kneaded compound; and

kneading the kneaded compound comprised of the hydrophilic reducing organic compound, the porous inorganic compound and the hydrophilic and water insoluble thermoplastic resin compound with the hydrophobic thermoplastic resin at a temperature lower than the melting temperature of the water insoluble thermoplastic resin compound and equal to or higher than the melting temperature of the hydrophobic thermoplastic resin, so that the kneaded compound is dispersed in the hydrophobic thermoplastic resin.

hul  
Gi  
F2  
20. (Thrice Amended) A method of producing a resin composition to be used in a multi-layer laminate for packaging liquid foods, comprising the steps of kneading a hydrophilic reducing organic compound and a hydrophilic and water insoluble thermoplastic resin compound, at a temperature not higher than the melting point or decomposition point of the hydrophilic reducing organic compound and equal to or higher than the melting temperature of the hydrophilic and water insoluble thermoplastic resin, to make a kneaded compound, wherein the hydrophilic reducing organic compound is

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included in the hydrophilic and water insoluble thermoplastic resin and the hydrophilic and water insoluble resin provides an oxygen gas barrier for the hydrophilic reducing organic compound and kneading the kneaded compound comprised of the hydrophilic reducing organic compound and the hydrophilic and water insoluble thermoplastic resin compound with a hydrophobic thermoplastic resin at a temperature lower than the melting temperature of the water insoluble thermoplastic resin compound and equal to or higher than the melting temperature of the hydrophobic thermoplastic resin, so that the kneaded compound is dispersed in the hydrophobic thermoplastic resin.

21. (Thrice Amended) A method of producing a resin composition to be used in a multi-layer laminate for packaging liquid foods, comprising the steps of kneading a hydrophilic reducing organic compound, a porous inorganic compound, and a hydrophilic and water insoluble thermoplastic resin compound at a temperature not higher than the melting temperature or decomposition point of the hydrophilic reducing organic compound and equal to or higher than the melting temperature of the hydrophilic and water insoluble thermoplastic resin, wherein the hydrophilic reducing organic compound is included in the hydrophilic and water insoluble thermoplastic resin and the hydrophilic and water insoluble thermoplastic resin provides an oxygen gas barrier for the hydrophilic reducing organic compound to make a kneaded compound, and kneading the kneaded compound comprised of the hydrophilic reducing organic compound, the porous inorganic compound and the hydrophilic and water insoluble thermoplastic resin compound with the hydrophobic thermoplastic resin at a temperature lower than the melting temperature of the water

GI  
FEG  
Cant

insoluble thermoplastic resin compound and equal to or higher than the melting temperature of the hydrophobic thermoplastic resin, so that the kneaded compound is dispersed in the hydrophobic thermoplastic resin.

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GI

24. (Amended) A pellet to be used in a multi-layer laminate for storing liquid foods, comprising a hydrophilic reducing organic compound and a hydrophilic and water insoluble thermoplastic resin, wherein the hydrophilic reducing organic compound is included in the hydrophilic and water insoluble thermoplastic resin and the hydrophilic and water insoluble thermoplastic resin provides an oxygen gas barrier for the hydrophilic reducing organic compound and wherein the pellet is prepared by:

XX

kneading the hydrophilic reducing organic compound and the hydrophilic and water insoluble thermoplastic resin compound at a temperature not higher than the melting temperature or decomposition point of the hydrophilic reducing organic compound and equal to or higher than the melting temperature of the hydrophilic and water insoluble thermoplastic resin to form a kneaded compound;

kneading the kneaded compound comprised of the hydrophilic reducing organic compound and the hydrophilic and water insoluble thermoplastic resin compound with the hydrophobic thermoplastic resin at a temperature lower than the melting temperature of the water insoluble thermoplastic resin compound and equal to or higher than the melting temperature of the hydrophobic thermoplastic resin, so that the kneaded compound is dispersed in the hydrophobic thermoplastic resin; and

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Cant  
forming a pellet from the hydrophobic thermoplastic resin containing the dispersed kneaded compound.

GI  
29. (Amended) A pellet to be used in a multi-layer laminate for storing liquid foods, comprising a hydrophilic reducing organic compound, a porous inorganic compound and a hydrophilic and water insoluble thermoplastic resin, wherein the hydrophilic reducing organic compound is included in the hydrophilic and water insoluble thermoplastic resin and the hydrophilic and water insoluble thermoplastic resin provides an oxygen gas barrier for the hydrophilic reducing organic compound and wherein the pellet is prepared by:

EB  
kneading the hydrophilic reducing organic compound, the porous inorganic compound and the hydrophilic and water insoluble thermoplastic resin compound at a temperature not higher than the melting temperature or decomposition point of the hydrophilic reducing organic compound and equal to or higher than the melting temperature of the hydrophilic and water insoluble thermoplastic resin to form a kneaded compound;

kneading the kneaded compound comprised of the hydrophilic reducing organic compound, the porous inorganic compound and the hydrophilic and water insoluble thermoplastic resin compound with the hydrophobic thermoplastic resin at a temperature lower than the melting temperature of the water insoluble thermoplastic resin compound and equal to or higher than the melting temperature of the hydrophobic thermoplastic resin, so that the kneaded compound is dispersed in the hydrophobic thermoplastic resin; and

*Grand*  
forming a pellet from the hydrophobic thermoplastic resin containing the dispersed  
kneaded compound.

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